

Appl. No.: 10/740,035

Reply to Office Action of: 02/14/2006

Amendments to the Specification:

Please delete the paragraph on page 7, lines 28-30 and replace with the following replacement paragraph:

The label locating core 230 is movable and has a locating portion ~~222~~ 232 with projections 231 adjacent the edge of the opening 224 and toward the mould core 210.

Please delete the paragraphs on page 8, line 1 through page 9, line 11 and replace with the following replacement paragraphs:

Figure 2A illustrates the tool after a laminate label 201 has been placed in it. The mould cavity 220 and label locating core 230 have a first configuration, in which the mould cavity 220 is biased towards the mould core 210 by resilient member 221. The locating portion ~~222~~ 232 of the locating core is retracted within the opening 224 of the mould cavity forming a recess that receives the laminate label 201. The laminate label 201 is positioned within the recess, so that it abuts the projections 231 of the locating portion ~~222~~ 232 of the label location core 230. The recess holds the label in a desired position.

Figure 2B illustrates the clamping of the laminate label 201 into position. The label location core 230 is moved towards the mould core 210. The label location core 230 and mould cavity 220 move together towards the mould core 210 with the label 201 positioned with the recess. The resilient members 221 contact the label 201 holding it against the projections 231. Then as the label location

Appl. No.: 10/740,035

Reply to Office Action of: 02/14/2006

core 230 continues to move, the respective opposing faces 223 and 216 of the mould cavity 220 and mould core 210 contact each other. Continued force applied to the label location core acts against the resilient members 221 so that the locating portion ~~222~~ 232 of the label location core 230 moves towards the mould core and extends from the opening 224 of the mould cavity 220, thereby reducing the cavity housing the laminate label 201 and pushing the laminate label 201 towards the front of the mould cavity 220. Resilient members 215 are likewise compressed, resulting in the clamping ribs 213 withdrawing into the mould core 210. However, opposing forces between the clamping ribs 213 of the mould core 210 and the projections 231 of the label location core 230 enable the laminate label 201 to be clamped as the label is moved into position and while it is in position.

Figure 2C illustrates the injection of the polymer into the tool. With force still applied to the label location core 230, a polymer is injected into the tool via injection barrel 212 until the polymer has filled the space between the label location core 230, mould core 210 and the mould cavity 220 pressing the laminate label 201 against the end of the locating portion ~~222~~ 232 of the label location core 230. That is, until the polymer has filled the space defined, on the one side, by the surfaces of the laminate label 201 and mould cavity cut-outs 222, and, on the other side, by the opposing surfaces of the mould core 210 and clamping ribs 213. The label is thus 'formed' in-situ, with its edges

Appl. No.: 10/740,035

Reply to Office Action of: 02/14/2006

encapsulated with the groove 121. The polymer bonds with the laminate label 201, and they become, as a combination, the desired moulded cover. The label location core 230 is then moved away from the mould core. This results in the resilient members 215 returning to their unbiased states, thereby causing the clamping ribs 213 to extend once again from the mould core 210 and in effect acting as ejectors for the moulded cover. The laminate label 201 is compressed during moulding but recovers after removal from the tool.

Please delete the paragraphs on page 11, line 29 through page 12, line 26 and replace with the following replacement paragraphs:

As in Figs 4A to 4C, when the label location core 730 and mould cavity 720 are moved towards the mould core 710, the label is held in position between the label location core 730 and mould core 710. This process may be similar to that described with reference to Figs 4A-4C, with the location core moving relative to the mould cavity so that projections 731 of the location core ~~230~~ 730 and the mould core 710 co-operate to clamp the label 701 in position. The mould core 710 may have resiliently biased clamping ribs 714 for clamping the label 701.

The label location core 730 and the mould core additionally co-operate to define a 'shut-off' volume 750 into which injected polymer 740 cannot enter. As the projections 731 of the location core ~~230~~ 730 and the mould core 710 co-operate to clamp the label in position,

Appl. No.: 10/740,035

Reply to Office Action of: 02/14/2006

a projection 718 from mould core 710 clamps the label 701 against the label location core. The projection 718 is continuous and forms a barrier to polymer 740 creating the 'shut-off' volume 750. The portion of the label 701 to one side of the shut-off volume 750 will be integrated into the first polymer portion 404 illustrated in Figs 4A and 4B and the label 701 on the other side of the shut-off volume 750 will be integrated into the second polymer portion 405 and the label 701 within the shut-off volume will form the interconnecting 'hinge' portion 423 of the continuous fabric surface 420.

Polymer 740 is then injected into the tool via injection barrels 212A and 212B on either side of the shut-off volume 750 until the polymer 740 has filled the space between the label location core 730, mould core 710 and the mould cavity ~~220~~ 720 excluding the shut-off volume. This presses the label 701 against the end of the label location core 730. The polymer 740 bonds with the label 701, and they become, as a combination, the desired moulded polymer portions 404, 405 with the integrated continuous fabric surface 420 joining them together via the 'hinge' portion 423.